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Total Number of Pages in This Submission

61

Application Number

10/816,081

Filing Date

04/01/2004

First Named Inventor

David B. Rozema

Art Unit

Examiner Name

Attorney Docket Number

Mirus.035.02.1

ENCLOSURES (Check all that apply)

- | | | |
|--|---|--|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance communication to Group |
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| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
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| <input type="checkbox"/> Certified Copy of Priority Document(s) | Remarks | |
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| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Mark K. Johnson
Signature	
Date	02/08/2005

CERTIFICATE OF TRANSMISSION/MAILING

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: **David B. Rozema,**)
Darren Wakefield, Jon A. Wolff,)
Vladimir Trubetskoy, Vladimir G. Budker,)
James E. Hagstrom, Aaron G. Loomis,)
Sean D. Monahan, Paul M. Slattum)

Serial No.: **10/816,081**)

Filed: **4/1/2004**)

Group Art Unit:)

For: **Endosomolytic Polymers**

INFORMATIONAL STATEMENT

Commissioner of Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. 1.56, applicant hereby calls to the attention of the Patent and Trademark Office the publications listed on the attached PTO 1449. This information statement supplements the previously filed information statement.

US application publication

<u>Publication No.</u>	<u>Applicant</u>	<u>Publication date</u>
20030220264	Rozema et al.	11/27/2003

Published International Patent Applications

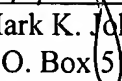
<u>Publication No.</u>	<u>Applicant</u>	<u>Publication date</u>
WO 01/51092	Stayton et al.	07/19/2001

REFERENCES CITED

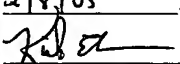
1. Murthy et al. "Design and synthesis of pH-responsive polymeric carriers that target uptake and enhance the intracellular delivery of oligonucleotides" Journal of Controlled Release, Vol. 89, no. 30 (2003), pp. 365-374.
2. Murthy, N. et al. "Bioinspired pH-responsive polymers for the intracellular delivery of biomolecular drugs." Bioconjugate Chemistry, Vol. 14, no. 2 (2003), pp. 412-419.
3. Naganawa, A. et al. "Synthetic Studies on Tautomycin Synthesis of 2,3-Disubstituted Maleic Anhydride Segment" Tetrahedron, Vol. 50 (1994), pp. 8969-8982.
4. Kircheis, R. et al. "Tumor targeting with surface-shielded ligand--polycation DNA complexes" Journal of Controlled Release, Vol. 72 (2001), pp. 165-170.
5. Rozema, D. B. et al. "Endosomolysis by Masking of a Membrane-Active Agent (EMMA) for Cytoplasmic Release of Macromolecules" Bioconjugate Chemistry, Vol. 14 (2003), pp. 51-57.
6. Woodle, M. C. et al. "Sterically stabilized liposomes" Biochimica et Biophysica Acta, Biomembranes Vol. 1113 (1992), pp. 171-199.

Applicant respectfully requests that these publications be expressly considered during the prosecution of this application and made of record herein and appear among the 'References Cited' on any patent to issue herefrom.

Respectfully submitted,



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I hereby certify that this correspondence is being sent by
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Kirk Ekena



INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket No.: Mirus.030.02.1	Serial No.: 10/816,081
	Applicant: David B. Rozema, Darren Wakefield, Jon A. Wolff, Vladimir Trubetskoy, Vladimir G. Budker, James E. Hagstrom, Aaron G. Loomis, Sean D. Monahan, Paul M. Slattum	Group:
		Examiner:

U.S. Pre-Grant Publications

Exmr Intl	Seq	Publication No.	Issue Date	Patentee	Class	Sub Class	Filing Date
		20030220264	11/27/2003	Rozema et al.	514	12	05/23/2003

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	Document Number	Publication Date	Country or Patent Office	Class	Sub Class	Transl.	
						yes	no
	WO 01/51092	07/19/2001					

OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, etc.)

	Murthy et al. "Design and synthesis of pH-responsive polymeric carriers that target uptake and enhance the intracellular delivery of oligonucleotides" Journal of Controlled Release, Vol. 89, no. 30 (2003), pp. 365-374.
	Murthy, N. et al. "Bioinspired pH-responsive polymers for the intracellular delivery of biomolecular drugs." Bioconjugate Chemistry, Vol. 14, no. 2 (2003), pp. 412-419.
	Naganawa, A. et al. "Synthetic Studies on Tautomycin Synthesis of 2,3-Disubstituted Maleic Anhydride Segment" Tetrahedron, Vol. 50 (1994), pp. 8969-8982
	Kircheis, R. et al. "Tumor targeting with surface-shielded ligand--polycation DNA complexes" Journal of Controlled Release, Vol. 72 (2001), pp. 165-170.
	Rozema, D. B. et al. "Endosomolysis by Masking of a Membrane-Active Agent (EMMA) for Cytoplasmic Release of Macromolecules" Bioconjugate Chemistry, Vol. 14 (2003), pp. 51-57.
	Woodle, M. C. et al. "Sterically stabilized liposomes" Biochimica et Biophysica Acta, Biomembranes Vol. 1113 (1992), pp. 171-199.

Examiner:	Date Considered:
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